

10-23

DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

Yellowstone NATIONAL PARK

FILE No. 143

MONTHLY REPORT

January, 1925

YELLOWSTONE
NATIONAL PARK
LIBRARY

4626

JANUARY, 1925

917.879

February 10, 1925

Dear Sir:

The following is my report on conditions in the Yellowstone National Park and on the operation of the park for the month of January, 1925:

I. GENERAL CONDITIONS

Weather

The following records are quoted from the report for January of the Observer in charge of the local United States Weather Bureau at Mammoth Hot Springs, Park Headquarters:

Temperature: Monthly mean, 20.6° , is 3.0° above normal. Moderate temperatures prevailed generally throughout the month. No unusual extremes occurred, the highest being 42° on the 30th, and the lowest -5° on the 26th. No cold waves occurred, there being but two days with temperature slightly below zero.

Precipitation: Total, 1.32 inches, is 0.92 inch below normal. All occurred as snowfall.

Snowfall: Total 14.3 inches; normal 20.0 inches. Unsettled weather prevailed during the month, and snow, generally light, was of almost daily occurrence. The greatest depth on the ground was 19.0 inches on the 21st, while at the end of the month there were 17.8 inches.

Wind: Average hourly velocity, 10.9 miles, is the greatest for January in the past 12 years. The maximum velocity was 37 miles per hour from the south on the 5th and 23rd.

Sunshine: Percentage of possible 36; normal 39.

Snow Depths

Snow depths throughout the park at the close of the month were reported as follows, and for comparative purposes the snow depths for January 31, 1924, are also given:

<u>Station</u>	<u>1924</u>	<u>1925</u>
Mammoth	12.8	18.5
Riverside	28.0	33.0
Callatin	23.0	29.0
Norris	22.0	33.0
Slough Creek, Upper		36.0
Slough Creek, Lower	18.0	28.0
Beshler	45.00 (12/31-24)	52.0
Snake River	40.0	49.0
Thumb	28.0	38.0
Lake	22.0	35.0
Upper Yellowstone	42.0	48.0
Canyon	26.0	46.0
Tower Falls	16.0	25.0
Buffalo Ranch	14.0	36.0
Soda Butte Station	22.0	37.0
Soda Butte Cabin		22.0
Hellroaring	16.0	18.0
Sylvan Pass	16.0	35.0
Two Ocean Pass	6 ft.	

There is 30 inches of snow at Cold Creek; 46 inches on the Divide between Lake and Thumb; 3 ft. at Hellroaring Forest Ranger Station and 5 ft. on Buffalo Plateau; Fox Creek, Thorofare Divide, 58 inches; Grayling 56 inches; Upper Geyser Basin 37 inches; Continental Divide, South Riverside District, 104 inches; South Riverside Cabin 92 inches; Norris-Canyon Divide 57 inches.

Temperatures have been moderate throughout the month, ranging generally above zero, and snow depths are considerably in excess of last year.

Travel

No visitors were registered at any of the park entrances during the month.

Roads

Freighting operations, via sleigh, have been conducted between Gardiner and Cooke City at intervals during the month. The mail schedules have consisted of one trip each week, the stage leaving Gardiner on Sunday morning. The snow plow has been used frequently since the first of the year in order to keep the roads at headquarters open to traffic. Autos have traveled freely between Gardiner and Mammoth at all times this season.

II. ADMINISTRATION OF THE PARK

Personnel

On January 1st there were 62 employees on the payrolls, and this number was neither increased nor decreased during the month. The following list shows the number of appointees of various classes serving during the month, with a general statement of the kind of work in which they were engaged:

<u>No.</u>	<u>Class</u>	<u>Kind of Work Performed</u>
1	Superintendent	General administration and supervision of all activities in the park.
2	Asst. Superintendents	1 in charge of administration, purchasing, disbursing; 1 in charge of property, equipment, transportation, cost accounts, inventories, etc., also acting as Assistant to Superintendent in capacity as Field Assistant to the Director.
2	Asst. Engineers	1 in charge of engineering work; (1 furloughed Jan. 14th).
4	Clerks	1 Cost Accounting Clerk; 1 Personnel and File Clerk; 1 Clerk on orders, proposals and vouchers and timekeeping and payroll work; 1 stenographer-typist on Superintendent's correspondence and handling miscellaneous work on administrative side of office.

No.	Class	Kind of Work Performed
3	Electricians	Operated power plant regular shift, including Sundays, read meters, did necessary line work.
3	Foremen	1 in charge of headquarters corral and freighting work about headquarters; 2 on work in shops.
3	Telephone Switchboard Operators	Permanent operator on furlough; 2 temporary WAE operators regular shifts.
1	Master Mechanic	In charge of shops and of repair to machinery.
2	Blacksmiths	General blacksmith work, including shoeing of horses in shop, repairing tools and equipment.
1	<i>Master Painter</i> Master Plumber	In charge of general plumbing and water and sewer systems.
2	Auto Mechanics	1 on duty in power plant; 1 on repair work.
3	Laborers	Teaming, freighting, assisting mechanics and miscellaneous work at headquarters.
1	Steward & Master of Transportation	In charge of all transportation and of storehouses.
1	Chief Buffalo Keeper	In charge of Lower Buffalo herd.
1	Asst. Buffalo Keeper	In charge of hay ranch operations at Slough Creek.
1	Buffalo Herder	Assisting buffalo keeper.
1	Park Naturalist	Scientific research work and developing museum.
1	Chief Park Ranger	In charge of ranger force.
1	1st Asst. Chief Ranger	In charge of Northern District.
2	Assts. Ch. Park Ranger	1 on duty at Lake District; 1 in charge of Western Supervisory Territory.

<u>No.</u>	<u>Class</u>	<u>Kind of Work Performed</u>
22	Park Rangers (17 WAE)	Patrolling, protecting game and miscellaneous duties.
4	Park Rangers, Temporary, (3 WAE)	Patrolling, protecting game, and miscellaneous duties.

Leaves of Absence

James H. Dupuis, Park Ranger, Jan. 2, 1 day.
 Forest L. Carter, Park Ranger, Jan. 1-4, 2 days.
 Charles W. Enochs, Foreman, Jan. 8-9 (noon), 1½ days.
 Charles Stimmott, Blacksmith, Jan. 10 (noon), 1/2 day.
 Anna E. Madsen, Clerk, Jan. 3 (noon), 1/2 day.
 Julia S. Stockett, Clerk, Jan. 3 (noon), 1/2 day.
 Harry McFarland, Foreman, Jan. 8-10, 3 days.
 William I. Davis, Asst. Engineer, Jan. 1-14, 11 days.
 Leroy Hill, Asst. Supt., Jan. 27, 1/2 day.
 Arthur Jacobson, Park Ranger, Jan. 27-31, 5 days.
 Julia S. Stockett, Clerk, Jan. 24 (noon), 1/2 day.
 Wm. H. Riley, Auto Mechanic, Jan. 24, 1 day.
 Leroy Hill, Asst. Supt., Jan. 24, 1/2 day.
 Charles W. Enochs, Foreman, Jan. 24, 1 day.
 Charles Stimmott, Blacksmith, Jan. 17 (noon), 1/2 day.
 Peter E. Bilkert, Asst. Supt., Jan. 1-6, 4 days.
 Andrew R. Edwin, Clerk, Jan. 21 (noon), 1/2 day.
 Deate T. White, Foreman, Jan. 21, 1 day.
 Harry McFarland, Foreman, Jan. 31 (noon), 1/2 day.
 Julia S. Stockett, Clerk, Jan. 31 (noon), 1/2 day.
 Anna E. Madsen, Clerk, Jan. 31 (noon), 1/2 day.
 Peter E. Bilkert, Asst. Supt., December 20-31, 9 days. Not
 previously reported.

Sick Leave

Arthur Jacobson, Park Ranger, Jan. 3-26, 24 days.

Leave Without Pay

Hellie Roach, Telephone Operator, January 1-31.
 Daniel W. Tripp, Laborer, January 1-31.

Furloughed

William I. Davis, Assistant Engineer at \$250 per month, WAE, furloughed close January 14th.

Promotions

Peter E. Bilkert, Assistant Superintendent, at \$2400, promoted to \$2500 effective January 1, 1925.

Andrew R. Edwin, Clerk at \$1680, promoted to Clerk at \$1740, effective January 1, 1925.

Joseph Jaffe, Clerk, at \$1680, promoted to Clerk at \$1740, effective January 1, 1925.

Julia S. Stockett, Clerk, at \$1560, promoted to Clerk at \$1620, effective January 1, 1925.

Anna E. Madson, Clerk, at \$1560, promoted to Clerk at \$1620, effective January 1, 1925.

Alfred C. D. Henman, Laborer, at \$1320, promoted to Laborer at \$1380, effective January 1, 1925.

Office Force Activities

During the month of January 1,105 pieces of official mail were received and 1,072 were sent out.

Finances

Costs of Operation, etc.: The cost of operating the park for the month of January, 1925, will be shown on the Monthly Cost Accounting Report which will go forward as soon as prepared.

Revenues:

Sale of Electricity:

Certified check #823, dated January 16, 1925, drawn by Vernon Goodwin on the National Bank of Montana, Helena, Montana, to the Director, National Park Service, amount 2.75

Certified check #466, dated January 16, 1925,
drawn by George Whittaker on the National Park
Bank, Livingston, Montana, to the Director,
National Park Service, amount 4.65

Buffalo sold for hide and head:

Money order #59503, dated Jan. 19, 1925, drawn
by the Postmaster at Yellowstone Park, on the
Postmaster at Washington, D. C., amount 100.00

Money order #59504, dated Jan. 19, 1925, drawn
by the Postmaster at Yellowstone Park, on the
Postmaster at Washington, D. C., amount 25.00

(Both of above amounts from Joseph Conley,
Salt Lake City, Utah.)

Sale of water:

Certified check #837, dated January 27, 1925,
drawn by Vernon Goodwin on the National Bank of
Montana, Helena, Montana, to the Director, amount 75.00

Plans, Maps and Surveys

The work of the Engineering Department has consisted chiefly of working up notes on surveys made last fall and making plans for the coming season. Assistant Engineer Davis is away on furlough.

Report on Commissary & Transportation

The Master of Transportation reports the completion of inventories for all departments. The necessary freighting from Gardiner was accomplished by one truck driver.

III. MAINTENANCE OF IMPROVEMENTS AND FACILITIES

Grounds

Only very necessary work, such as hauling coal, wood, ice and garbage, and the clearing of the roads with a snow plow

was done in this department. Because of the frequent deep snows a great deal of time was spent on the roads about headquarters in an effort to keep them open.

Annual Ice Harvest

A total of 231.84 tons of ice was put up during the three days devoted to ice harvesting of the government supply. Men from the regularly appointed force did the work under the supervision of Foreman McFarland.

The Camps Company put up about 250 tons, and the Hotel Company put up approximately 300 tons.

Electrical and Telephone Systems

The Acting Chief Electrician wired the Superintendent's office for the installation of an electrical hot water heater; put in wall receptacles at the following quarters: Joffe, Robinson, Heumann and McDonalds; and worked relief shifts occasionally at the power plant.

The Power Plant was operated in the usual manner. It was run constantly with the results shown in comparison with those of January, 1924, as follows:

	<u>1924</u>	<u>1925</u>
Total current generated in KW hours	38,260	47,040
Of this, sold to public utilities		
at 5¢ per KWH	3,141	3,808.4
Consumed for street lighting	1,720	2,781.
Balance, consumed in government		
buildings, for power and light-		
ing, and lost on lines in transit	33,399	40,450.6
Peak load during month in KWH	112	106

The Telephone and Switchboard Office was open daily from 7:30 A.M. to 8:30 P.M. The total business handled was as follows:

	<u>1924</u>	<u>1925</u>
On Government Local lines	2225	2915
On Hotel Company lines	259	309
On Long Distance	84	74
	<u>2568</u>	<u>3298</u>

Water and Sewer Systems

A hot water heater was installed in the Superintendent's office.

General maintenance and repair work was done to water and sewer systems at Mammoth.

Machinery and Equipment

Seven F.W.D. trucks and one Ree Speed wagon were overhauled. Three new truck bodies were built. The blacksmith repaired all shovels, picks and axes.

The greater part of the time of the Master Painter was spent in cleaning and painting equipment. Seven dump wagons were painted; three Ford one-ton trucks varnished; four sprinkler trucks varnished and three freight trucks varnished.

Inside work at Bilkert's quarters was finished early in the month.

V. PROTECTION DEPARTMENT

Patrols

Special ranger patrols during the month are noted briefly as follows:

Chief Ranger Woodring. Mammoth to Buffalo Ranch and return, 5th-8th, inclusive. This trip was in connection with the segregation, castrating and weaning of buffalo calves, and the disposition of 8 selected undesirable members of the herd.

Chief Ranger Woodring. Mammoth to Tower Falls, Slough Creek, Buffalo Ranch and return via Hellroaring, 25th-30th, inclusive, on tour of inspection with particular reference to buffalo and elk conditions.

First Assistant Chief Ranger Trischman. On tour of Northern Supervisory territory from the 23rd to 31st, inclusive, to observe and report wild animal conditions in general and elk and deer in particular.

Assistant Chief Ranger Douglas was on telephone patrol between Lake and Snake River during the month and also spent considerable time at Thumb of Lake, making frequent patrols in this vicinity. He also patrolled from Lake to Mammoth on the 28th-30th.

Assistant Chief Ranger Carter was on special patrol, Riverside to Gallatin and return, on the 10th to 20th, inclusive, this patrol to observe and report elk and moose conditions in the Gallatin District.

All regular patrols from the various stations were promptly made, the chief of which will be briefly noted with dates as follows: Riverside to Upper Basin and return, on the 3rd to 9th, inclusive; Lake to Upper Yellowstone and return, on the 7th to 16th; Lake to Cold Creek and return, 19-23rd. Antelope patrols both within and without the park are matters of daily routine and are considered as regular patrols. Conditions throughout the park are good except as hereinafter noted.

Other activities of the department have consisted of horse feeding at Yanceys, Buffalo and elk feeding at Slough Creek and deer and elk feeding at Mammoth. A carload shipment of elk, totaling 42, were captured and delivered to the carrier for delivery at Cedar City, Utah, and two elk were individually crated for shipment to Ferrysburg, New York.

Wild Animals

Forage Conditions: Forage conditions are bad; we have snow crust on the lower elevations and increasing snow depths on the higher. Strong warm winds at intervals during the past ten days have brought a measure of relief on wind swept areas where considerable forage has been uncovered. However, fresh snowfall is a matter of almost daily occurrence and snow depths on the higher levels are constantly mounting, resulting in deep drifts and wind crust, making access to the exposed ridges increasingly difficult. Forage conditions are not at all satisfactory.

Elk: The following elk counts have been submitted by rangers on patrol during the month: Blacktail District 800; Mammoth-Gardiner District 774; Upper Slough Creek 450; Hell-roaring District 600; Lower Slough Creek 75; Tower Falls 425; Upper Lamar River Meadows and Soda Butte Creek between Upper and

Lower Stations 1,000; isolated counts throughout the central and southern areas 291; estimated total at points along the Yellowstone (outside the park) from Gardiner to ~~Hellroaring~~ ^{Mall} Creek 2,000; approximates of the Gallatin Herd based on recent observations 2,000; 250 head observed by park rangers beyond park boundaries on Hellroaring, and 300 head beyond park limits on Upper Slough Creek. ^{Heron}

Milk feeding at Lower Slough Creek was begun on January 26th. Total on feed grounds, 75.

Winter kills have been reported this season as follows: Blacktail, 1; Mammoth-Gardiner District, 7; Hellroaring District, 4; Slough Creek, 2; plus a loss of 6 from accidental and unavoidable causes previously reported, making a revised total of 21. The losses occasioned by hunters are placed at 1200; and the herds have been further diminished by two shipments to outside points - one, a carload shipment of 42 to Cedar City, Utah, and the other a shipment of two to Ferrysburg, New York, making a grand total of 1345 to be deducted from the herd totals of last fall.

Deer: Rangers on patrol submitted the following counts during the month: Gardiner to Hoppe's Ranch (outside of the park), 100; Gardiner-Mammoth District, 96; Hellroaring-Cottonwood District, 115; Tower Falls District, 26; Sylvan Pass, 5; Gallatin District, 4; Mammoth, 33; Total, 379.

No concerted effort has been made to obtain a full count of this animal this season. The losses thus far reported are as follows: Mammoth District, 3 coyote kills; Hellroaring, 3 coyote kills; Gardiner, 3 coyote kills, Cottonwood, 8; plus 7 coyote kills and 3 winter kills previously reported, together with a loss of 56 occasioned by hunters, making a grand total of 83.

The deer are generally in good condition and wintering splendidly.

Antelope: A count of 187 was made at Sherman's pastures on the 11th. This was the largest count submitted from points outside the park during the month. The largest count within the park was made on the 15th, with a total of 240. Unfortunately, a full count was not had of the antelope outside the park on this date. However, there was very little change in weather conditions between the 11th and the 15th and the counts submitted

from this district have varied only slightly from day to day throughout the month, and I consider it reasonable to conclude that the count of 187 submitted on the 11th was approximately correct for points outside the park on the 15th, and considered from this viewpoint our antelope totals would aggregate 427. This may be slightly in excess of the herd total but I am sure it is more nearly correct than the total of 399 previously submitted.

The antelope herd is in splendid condition.

An additional coyote kill was reported during the month, making a loss of two this season.

Mountain Sheep: The sheep counts submitted this season are as follows: Hellroaring, 35; Junction Butte, 83; Mount Norris, 21; Mt. Evans, 21; and Specimen Ridge, 18. These counts will be supplemented and revised as the season advances. The sheep are wintering splendidly.

Moose: Revised counts on moose as submitted by rangers on patrol this season to date are as follows: Upper Yellowstone District, 65; Junction of Cache Creek and Lamar River, 4; Sylvan Pass District, 11; Gallatin District, 8; Snake River District, 6; Beeshler River District, 4; Tower Falls District, 14; Upper Slough Creek District, 13; total 125. Special and concerted efforts will be made a little later in the season to get as full and complete a count as possible of the moose in Yellowstone Park.

Buffalo, Lamar River Herd: Buffalo feeding was begun at the Slough Creek Hay Ranch on December 28th, with a total of 540 on the feed grounds. The herd was removed to the Buffalo Ranch on January 7th and the calves were cut out and segregated for weaning; a total of 108, consisting of 53 males and 55 females, were put through the chutes and of this number 20 were castrated. Dr. Floyd E. Clark, of the Bureau of Animal Industry, was in charge of this work. Eight calves of the 1924 crop are still at large, making a calf total of 116 at this time. Twelve buffalo, consisting of 3 steers, 8 bulls and 1 calf, have been segregated from the herd because of injuries, advanced age or outlaw tendencies, and destroyed, the hides and skulls in each case carefully removed and brought to headquarters for proper disposition.

Losses this season, previously reported, on account of shipments, accidental and unavoidable causes, winter kills, kills for

market, etc., total 98, which, together with the loss of 12 reported this month, make a grand total of 110, leaving a herd total at this time of 670. The herd as now constituted is in splendid condition.

Buffalo, Pelican Flats Herd: I have nothing to add to the December report on this herd except to remark that the January patrol to Cold Creek confirms in large measure the report of the patrol of the preceding month. However, at this time only 20 buffalo were seen as compared with 23 on the preceding month. They appeared to be well conditioned.

Bear: It may be of interest to remark that 2 of the seven bears reported at Lake Station last month have been appearing daily for a hand out until the 24th; they have not been seen since that date and curiously enough, a badger that had also been making daily calls has not appeared since the 24th.

Small Animals: Mink signs are reported from Gallatin. Badgers are active at Mammoth and Lake. Otter are frequently seen on Yellowstone Lake and Madison River and they have been recently reported on Blacktail Deer Creek. Marten signs are plentiful on the Madison and Firehole Rivers and now beaver workings are reported from Bechler.

Predatory Animals: Lion signs were observed at the seven mile bridge on the Madison River on the 9th.

A lynx sign was recently reported at Sportsmens Lake and a lynx is reported to have been recently killed by a trapper at a point near the thirty-four mile post, West Boundary, outside the park.

The coyote returns this month are disappointing despite renewed and persistent efforts; they have consistently refused to be baited and rangers have come within rifle range of only a very few. The kills for the month total 15, which, together with 131, previously reported, make a total this season to date of 146 as compared with 139 to January 31st, 1924.

Ranch Operations: Ranch operations during the month consist of the following: 108 buffalo calves of the 1924 crop were cut out from the main herd on the 5th and have since been fed at the Buffalo Ranch. 27 tons of hay were fed at this point during the month. The main body of the Lamar River Buffalo herd was re-

moved from the Buffalo Ranch to Slough Creek on the 7th, where feeding was resumed and has been continued throughout the month. Buffalo and elk feeding at Slough Creek have accounted for 102 tons of hay.

The feeding of Park Service and ranger horses was begun at the Yancey Hay Ranch on the 6th with a total of 41 horses. 12½ tons of hay have been fed.

There has been a limited amount of elk feeding at the Gardiner Ranch at intervals during the last ten days of the month, and several truck loads have been removed to Mammoth for use at the elk catching pen and to feed the elk and deer in the immediate vicinity of headquarters; we are feeding daily at this point about 36 deer and half as many elk. Eleven tons of hay have been fed from the Gardiner Ranch.

Other Items of Interest

Phone communications, except for a few temporary breaks, have been very good throughout the month and reports have been regularly and promptly received from all stations. Conditions, except as hereinbefore noted, are good.

A local chapter of the Izank Walton League of America was organized in Yellowstone Park on the 10th, the charter membership being 67. This is the second League Chapter for the District of Wyoming and the first to be organized within a National Park. Hon. John W. Meldrum, United States Commissioner for Yellowstone Park, has been proposed and accepted as an Honorary Life Member.

An unusually large number of applications for temporary ranger appointments are being received. These inquiries, unless the applicant is clearly not qualified, are promptly answered by circular letter with questionnaire attached. In all cases where the applicant is clearly disqualified he is promptly advised that by reason of the particular disqualification noted in his letter his application cannot be favorably considered at this time and upon removal of the disqualification he is invited to renew his application. Most of our temporary rangers of last season have expressed their desire to return again this year; at least 45 of this number merit favorable consideration. The members of the permanent force total 31, which accounts for a possible 76 of our authorized summer strength of 83. Considering the ranger line-up from this basis it will be seen that the new appointments this year may not exceed seven in number. There will be several hundred

applicants and among them will be a very considerable number of splendidly qualified young men with endorsements of excellent quality. It will not be an easy matter to make selections for these appointments. Selections for appointments will be made early in April and all applicants will be promptly notified thereafter as to whether or not they have been selected.

The elk shipments this month consisted of two - a male and female individually crated, to the J. H. Adam Memorial Hospital, Ferrysburg, New York, (This shipment was made on the 14th), and a carload shipment consisting of 9 males and 33 females to the State Fish and Game Commissioner of Utah, destination, Cedar City, Utah, made on the 21st.

VI. MUSEUM, NATURE GUIDE WORK, EDUCATIONAL WORK.

The Park Naturalist was detailed to work with Chief Park Naturalist Ansel Hall, at Yosemite, during the latter part of the month and for that reason no report has come from his department.

Cordially yours,

Leroy Hill,
Acting Superintendent.

The Director,
National Park Service,
Department of the Interior,
Washington, D. C.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

MONTHLY METEOROLOGICAL SUMMARY.

Station, Yellowstone Park, Wyo.; month, JANUARY, 1925., 19

Date.	TEMPERATURE. (Degrees Fahrenheit.)			Precipitation. (In inches and hundredths.)	Character of day.	Sunshine, per-cent-age.	ATMOSPHERIC PRESSURE. (Reduced to sea level; inches and hundredths.)	
	Max.	Min.	Mean.				Mean	lowest
1	29	20	24	.03	Cloudy	40	30.15	20
2	26	17	22	.05	Cloudy	28	30.55	25
3	23	8	16	.05	PtCloudy	49	29.70	
4	26	18	22	.02	Cloudy	10		
5	28	18	23	.09	Cloudy	4		
6	19	6	12	0	PtCloudy	35		
7	16	5	10	.04	PtCloudy	76		
8	22	9	16	.03	PtCloudy	49		
9	19	4	12	T	PtCloudy	66		
10	22	12	17	.06	Cloudy	13		
11	22	4	13	0	PtCloudy	96		
12	18	8	13	.01	Cloudy	9		
13	21	9	15	.02	Cloudy	21		
14	24	7	16	.10	Cloudy	0		
15	24	2	13	T	PtCloudy	85		
16	23	2	12	T	PtCloudy	46		
17	25	7	16	T	PtCloudy	42		
18	28	20	24	.03	Cloudy	3		
19	38	16	27	.01	PtCloudy	43		
20	30	15	22	T	PtCloudy	73		
21	31	24	28	T	Cloudy	28		
22	40	29	34	0	PtCloudy	62		
23	34	28	31	.01	Cloudy	24		
24	34	27	30	.20	Cloudy	0		
25	31	-3	14	.24	Cloudy	23		
26	24	-5	10	.03	Cloudy	66		
27	32	19	26	.06	Cloudy	39		
28	29	16	22	.04	PtCloudy	66		
29	35	26	30	.04	Cloudy	0		
30	42	32	37	.06	Cloudy	12		
31	35	24	30	.10	Cloudy	19		
Mean	27.4	13.7	20.6	1.32		36		

ATMOSPHERIC PRESSURE.
(Reduced to sea level; inches and hundredths.)
Mean 30.15; highest 30.55, date 20
lowest 29.70, date 25

TEMPERATURE.
Highest 42, date 30; lowest -5, date 26
Greatest daily range 34, date 25
Least daily range 6, date 23

Mean for this month in
1871 80 1872 81 1873 82 1874 83 1875 84 1876 85 1877 86 1878 87 1879 88
1880 89 1881 90 1882 91 1883 92 1884 93 1885 94 1886 95 1887 96 1888 97 1889 98 1890 99 1891 00 1892 01 1893 02 1894 03 1895 04 1896 05 1897 06 1898 07 1899 08 1900 09 1901 10 1902 11 1903 12 1904 13 1905 14 1906 15 1907 16 1908 17 1909 18 1910 19 1911 20 1912 21 1913 22 1914 23 1915 24 1916 25 1917 26 1918 27 1919 28 1920 29 1921 30 1922 31 1923 32 1924 33 1925 34 1926 35 1927 36 1928 37 1929 38 1930 39 1931 40 1932 41 1933 42 1934 43 1935 44 1936 45 1937 46 1938 47 1939 48 1940 49 1941 50 1942 51 1943 52 1944 53 1945 54 1946 55 1947 56 1948 57 1949 58 1950 59 1951 60 1952 61 1953 62 1954 63 1955 64 1956 65 1957 66 1958 67 1959 68 1960 69 1961 70 1962 71 1963 72 1964 73 1965 74 1966 75 1967 76 1968 77 1969 78 1970 79 1971 80 1972 81 1973 82 1974 83 1975 84 1976 85 1977 86 1978 87 1979 88 1980 89 1981 90 1982 91 1983 92 1984 93 1985 94 1986 95 1987 96 1988 97 1989 98 1990 99 2000 00 2001 01 2002 02 2003 03 2004 04 2005 05 2006 06 2007 07 2008 08 2009 09 2010 10 2011 11 2012 12 2013 13 2014 14 2015 15 2016 16 2017 17 2018 18 2019 19 2020 20 2021 21 2022 22 2023 23 2024 24 2025 25 2026 26 2027 27 2028 28 2029 29 2030 30 2031 31 2032 32 2033 33 2034 34 2035 35 2036 36 2037 37 2038 38 2039 39 2040 40 2041 41 2042 42 2043 43 2044 44 2045 45 2046 46 2047 47 2048 48 2049 49 2050 50 2051 51 2052 52 2053 53 2054 54 2055 55 2056 56 2057 57 2058 58 2059 59 2060 60 2061 61 2062 62 2063 63 2064 64 2065 65 2066 66 2067 67 2068 68 2069 69 2070 70 2071 71 2072 72 2073 73 2074 74 2075 75 2076 76 2077 77 2078 78 2079 79 2080 80 2081 81 2082 82 2083 83 2084 84 2085 85 2086 86 2087 87 2088 88 2089 89 2090 90 2091 91 2092 92 2093 93 2094 94 2095 95 2096 96 2097 97 2098 98 2099 99 2100 00 2101 01 2102 02 2103 03 2104 04 2105 05 2106 06 2107 07 2108 08 2109 09 2110 10 2111 11 2112 12 2113 13 2114 14 2115 15 2116 16 2117 17 2118 18 2119 19 2120 20 2121 21 2122 22 2123 23 2124 24 2125 25 2126 26 2127 27 2128 28 2129 29 2130 30 2131 31 2132 32 2133 33 2134 34 2135 35 2136 36 2137 37 2138 38 2139 39 2140 40 2141 41 2142 42 2143 43 2144 44 2145 45 2146 46 2147 47 2148 48 2149 49 2150 50 2151 51 2152 52 2153 53 2154 54 2155 55 2156 56 2157 57 2158 58 2159 59 2160 60 2161 61 2162 62 2163 63 2164 64 2165 65 2166 66 2167 67 2168 68 2169 69 2170 70 2171 71 2172 72 2173 73 2174 74 2175 75 2176 76 2177 77 2178 78 2179 79 2180 80 2181 81 2182 82 2183 83 2184 84 2185 85 2186 86 2187 87 2188 88 2189 89 2190 90 2191 91 2192 92 2193 93 2194 94 2195 95 2196 96 2197 97 2198 98 2199 99 2200 00 2201 01 2202 02 2203 03 2204 04 2205 05 2206 06 2207 07 2208 08 2209 09 2210 10 2211 11 2212 12 2213 13 2214 14 2215 15 2216 16 2217 17 2218 18 2219 19 2220 20 2221 21 2222 22 2223 23 2224 24 2225 25 2226 26 2227 27 2228 28 2229 29 2230 30 2231 31 2232 32 2233 33 2234 34 2235 35 2236 36 2237 37 2238 38 2239 39 2240 40 2241 41 2242 42 2243 43 2244 44 2245 45 2246 46 2247 47 2248 48 2249 49 2250 50 2251 51 2252 52 2253 53 2254 54 2255 55 2256 56 2257 57 2258 58 2259 59 2260 60 2261 61 2262 62 2263 63 2264 64 2265 65 2266 66 2267 67 2268 68 2269 69 2270 70 2271 71 2272 72 2273 73 2274 74 2275 75 2276 76 2277 77 2278 78 2279 79 2280 80 2281 81 2282 82 2283 83 2284 84 2285 85 2286 86 2287 87 2288 88 2289 89 2290 90 2291 91 2292 92 2293 93 2294 94 2295 95 2296 96 2297 97 2298 98 2299 99 2300 00 2301 01 2302 02 2303 03 2304 04 2305 05 2306 06 2307 07 2308 08 2309 09 2310 10 2311 11 2312 12 2313 13 2314 14 2315 15 2316 16 2317 17 2318 18 2319 19 2320 20 2321 21 2322 22 2323 23 2324 24 2325 25 2326 26 2327 27 2328 28 2329 29 2330 30 2331 31 2332 32 2333 33 2334 34 2335 35 2336 36 2337 37 2338 38 2339 39 2340 40 2341 41 2342 42 2343 43 2344 44 2345 45 2346 46 2347 47 2348 48 2349 49 2350 50 2351 51 2352 52 2353 53 2354 54 2355 55 2356 56 2357 57 2358 58 2359 59 2360 60 2361 61 2362 62 2363 63 2364 64 2365 65 2366 66 2367 67 2368 68 2369 69 2370 70 2371 71 2372 72 2373 73 2374 74 2375 75 2376 76 2377 77 2378 78 2379 79 2380 80 2381 81 2382 82 2383 83 2384 84 2385 85 2386 86 2387 87 2388 88 2389 89 2390 90 2391 91 2392 92 2393 93 2394 94 2395 95 2396 96 2397 97 2398 98 2399 99 2400 00 2401 01 2402 02 2403 03 2404 04 2405 05 2406 06 2407 07 2408 08 2409 09 2410 10 2411 11 2412 12 2413 13 2414 14 2415 15 2416 16 2417 17 2418 18 2419 19 2420 20 2421 21 2422 22 2423 23 2424 24 2425 25 2426 26 2427 27 2428 28 2429 29 2430 30 2431 31 2432 32 2433 33 2434 34 2435 35 2436 36 2437 37 2438 38 2439 39 2440 40 2441 41 2442 42 2443 43 2444 44 2445 45 2446 46 2447 47 2448 48 2449 49 2450 50 2451 51 2452 52 2453 53 2454 54 2455 55 2456 56 2457 57 2458 58 2459 59 2460 60 2461 61 2462 62 2463 63 2464 64 2465 65 2466 66 2467 67 2468 68 2469 69 2470 70 2471 71 2472 72 2473 73 2474 74 2475 75 2476 76 2477 77 2478 78 2479 79 2480 80 2481 81 2482 82 2483 83 2484 84 2485 85 2486 86 2487 87 2488 88 2489 89 2490 90 2491 91 2492 92 2493 93 2494 94 2495 95 2496 96 2497 97 2498 98 2499 99 2500 00 2501 01 2502 02 2503 03 2504 04 2505 05 2506 06 2507 07 2508 08 2509 09 2510 10 2511 11 2512 12 2513 13 2514 14 2515 15 2516 16 2517 17 2518 18 2519 19 2520 20 2521 21 2522 22 2523 23 2524 24 2525 25 2526 26 2527 27 2528 28 2529 29 2530 30 2531 31 2532 32 2533 33 2534 34 2535 35 2536 36 2537 37 2538 38 2539 39 2540 40 2541 41 2542 42 2543 43 2544 44 2545 45 2546 46 2547 47 2548 48 2549 49 2550 50 2551 51 2552 52 2553 53 2554 54 2555 55 2556 56 2557 57 2558 58 2559 59 2560 60 2561 61 2562 62 2563 63 2564 64 2565 65 2566 66 2567 67 2568 68 2569 69 2570 70 2571 71 2572 72 2573 73 2574 74 2575 75 2576 76 2577 77 2578 78 2579 79 2580 80 2581 81 2582 82 2583 83 2584 84 2585 85 2586 86 2587 87 2588 88 2589 89 2590 90 2591 91 2592 92 2593 93 2594 94 2595 95 2596 96 2597 97 2598 98 2599 99 2600 00 2601 01 2602 02 2603 03 2604 04 2605 05 2606 06 2607 07 2608 08 2609 09 2610 10 2611 11 2612 12 2613 13 2614 14 2615 15 2616 16 2617 17 2618 18 2619 19 2620 20 2621 21 2622 22 2623 23 2624 24 2625 25 2626 26 2627 27 2628 28 2629 29 2630 30 2631 31 2632 32 2633

WEATHER BUREAU.

MONTHLY

METEOROLOGICAL SUMMARY.

STATION

Yellowstone Park. Wyo

MONTH

JAN 1925

79

8-1650